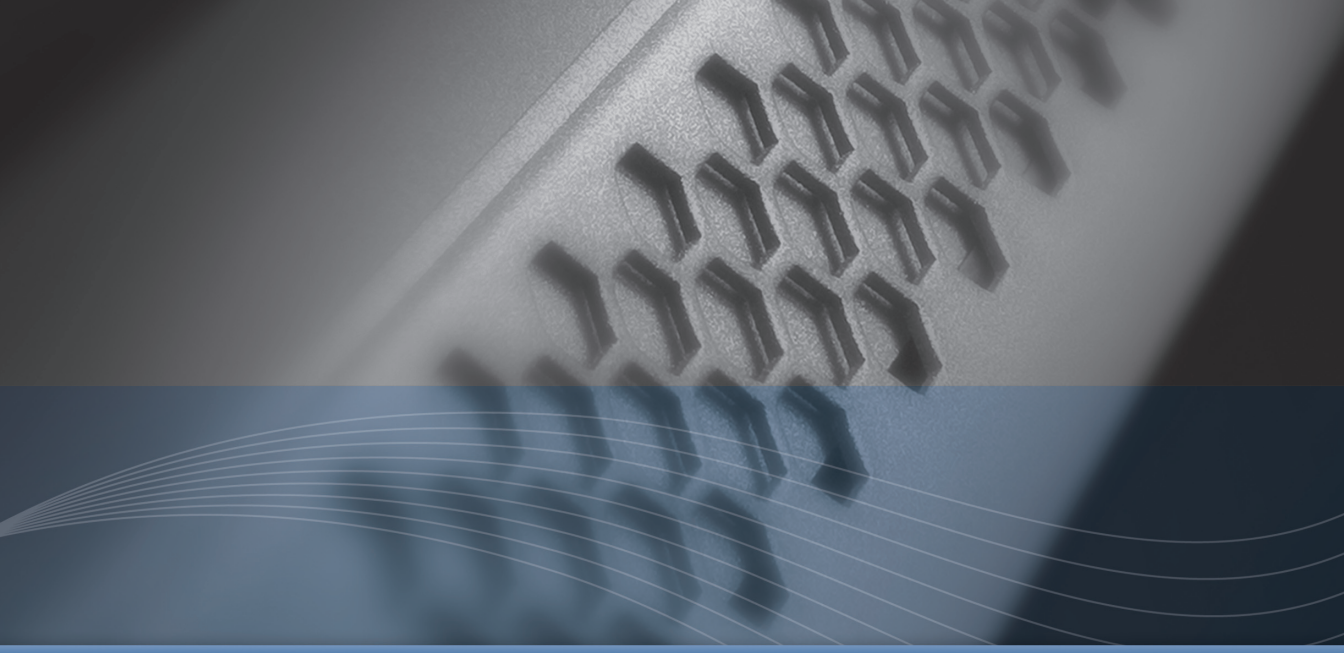

Email Security Virtual Appliance 7.2 Getting Started Guide

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SonicWALL Email Security Virtual Appliance 7.2 Getting Started Guide

This *Getting Started Guide* contains installation procedures and configuration guidelines for deploying the SonicWALL Email Security Virtual Appliance on a server on your network. The SonicWALL Email Security Virtual Appliance includes a software appliance, which has been pre-installed and pre-configured for VMware environments, and allows for the secure and easy deployment of SonicWALL Email Security solution within a virtual environment.

The SonicWALL Email Security Virtual Appliance provides the following benefits:

- Scalability and Redundancy:
  - Multiple virtual machines can be deployed as a single system, enabling specialization, scalability, and redundancy.
- Operational Ease:
  - Users can virtualize their entire environment and deploy multiple machines within a single server or across multiple servers.
- Product Versatility:
  - SonicWALL Email Security Virtual Appliance is compatible with other SonicWALL Email Security platforms (Windows/Linux) as a stand-alone (All-In-One), control center, or remote analyzer.
- Security:
  - SonicWALL Email Security Virtual Appliance provides an optimized, non-tamperable software and hardware architecture.

Note: *For SonicWALL Email Security documentation, refer to the **SonicWALL Email Security 7.2 Administrator's Guide**. This and other documentation are available at:*
http://www.sonicwall.com/us/Support.html

Contents

This document contains the following sections:

1. "Before You Begin" on page 3
   - "Supported Platforms" on page 3
   - "Hardware Resource Requirements" on page 3
   - "Files for Installation" on page 4
2. "Installing SonicWALL Email Security Virtual Appliance" on page 5
   - "About Thick Provisioning" on page 6
   - "Installing with vSphere" on page 6
3. "Performing Basic Tasks and Host Configuration" on page 11
   - "Powering the Virtual Appliance On or Off" on page 14
   - "Configuring Host Settings on the Console" on page 14
   - "Configuring Settings on the Appliance Web Interface" on page 16
4. "Registration Process" on page 19
   - "Creating a MySonicWALL Account" on page 19
   - "Registering Your SonicWALL Email Security Virtual Appliance" on page 20
5. "Updating the SonicWALL Email Security Virtual Appliance" on page 22

1 Before You Begin

This section contains the following subsections:

- "Supported Platforms" on page 3
- "Hardware Resource Requirements" on page 3
- "Files for Installation" on page 4

Supported Platforms

The elements of basic VMware structure must be implemented prior to deploying the SonicWALL Email Security Virtual Appliance. SonicWALL Email Security Virtual Appliance runs on the following VMware platforms:

- ESXi 4.0 Update 1 (Build 208167 and newer)
- ESX 4.0 Update 1 (Build 208167 and newer)

You can use the following client applications to import the image and configure the virtual settings:

- **VMware vSphere** – Provides infrastructure and application services in a graphical user interface for ESX/ESXi, included with ESX/ESXi. Provides Thick provisioning when deploying SonicWALL Email Security Virtual Appliance.
- **VMware vCenter Server** – Centrally manages multiple VMware ESX/ESXi environments. Provides Thick provisioning when deploying SonicWALL Email Security Virtual Appliance.

Hardware Resource Requirements

The following hardware resources are the minimum requirements for the SonicWALL Email Security Virtual Appliance:

- 80 GB Thick provisioned hard disk space

  Note that the OVA image for the SonicWALL Email Security Virtual Appliance specifically allocates 80 GB on the virtual disk and cannot be altered.
- 2 GB RAM
- 1 CPU

Files for Installation

You will use different files for a fresh installation than when updating to a newer version.

New Deployment Files

SonicWALL Email Security Virtual Appliance is available for download from <http://www.mysonicwall.com>. For a fresh install, the Open Virtual Appliance (OVA) file with the following file name format is available for import and deployment to your ESX/ESXi server:

- *es_vm_x.x.x.xxxx.ova*

Note: *Do not rename the OVA files.*

Updater File

For a software update, a file with the following file name format is available from MySonicWALL:

- *es-vmware-updater-x.x.x.xxxx-3440i-der-signed.sh*

Note: *Do not rename the updater file.*

The *es-vmware-updater-x.x.x.xxxx-3440i-der-signed.sh* file is uploaded to the Miscellaneous Setting/Upload Patch section of the **System >Advanced** page on the appliance management interface of your existing SonicWALL Email Security deployment.

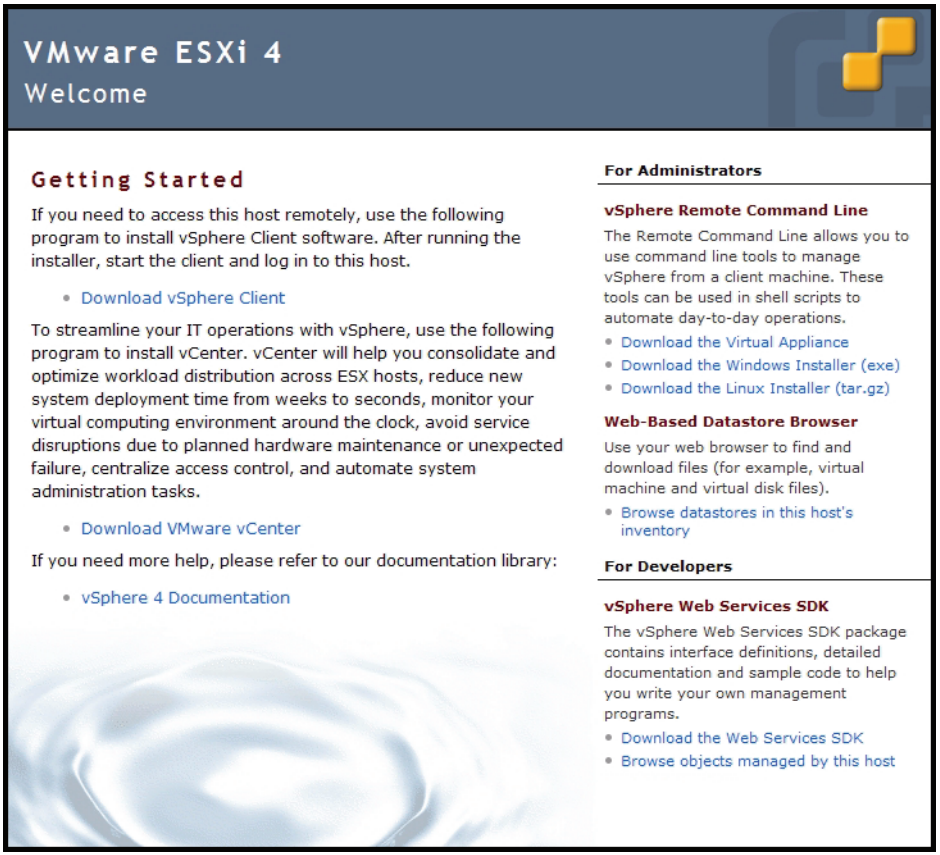
Users already running SonicWALL Email Security 200 to 8000 appliances will need to use the Updater File.

2 Installing SonicWALL Email Security Virtual Appliance

SonicWALL Email Security Virtual Appliance is installed by deploying an OVA file to your ESX/ESXi server. Each OVA file contains all software components related to SonicWALL Email Security .

You can deploy the OVA files as needed for your SonicWALL Email Security environment. SonicWALL Email Security can be configured for a single server or in a distributed environment on multiple servers.

You can deploy an OVA file by using the vSphere or vCenter client, which comes with ESX/ESXi. For vSphere, point a browser to your ESX/ESXi server, and click on **Download vSphere Client**.


VMware ESXi 4
Welcome
Getting Started
If you need to access this host remotely, use the following program to install vSphere Client software. After running the installer, start the client and log in to this host.
Download vSphere Client
To streamline your IT operations with vSphere, use the following program to install vCenter. vCenter will help you consolidate and optimize workload distribution across ESX hosts, reduce new system deployment time from weeks to seconds, monitor your virtual computing environment around the clock, avoid service disruptions due to planned hardware maintenance or unexpected failure, centralize access control, and automate system administration tasks.
Download VMware vCenter
If you need more help, please refer to our documentation library:
vSphere 4 Documentation
For Administrators
vSphere Remote Command Line
The Remote Command Line allows you to use command line tools to manage vSphere from a client machine. These tools can be used in shell scripts to automate day-to-day operations.
Download the Virtual Appliance
Download the Windows Installer (exe)
Download the Linux Installer (tar.gz)
Web-Based Datastore Browser
Use your web browser to find and download files (for example, virtual machine and virtual disk files).
Browse datastores in this host's inventory
For Developers
vSphere Web Services SDK
The vSphere Web Services SDK package contains interface definitions, detailed documentation and sample code to help you write your own management programs.
Download the Web Services SDK
Browse objects managed by this host

See the following sections:

- "About Thick Provisioning" on page 6
- "Installing with vSphere" on page 6

About Thick Provisioning

Thick provisioning occurs when an OVA file is deployed on your ESX/ESXi server. This type of provisioning pre-allocates all the hard disk space for the virtual appliance.

Installing with vSphere

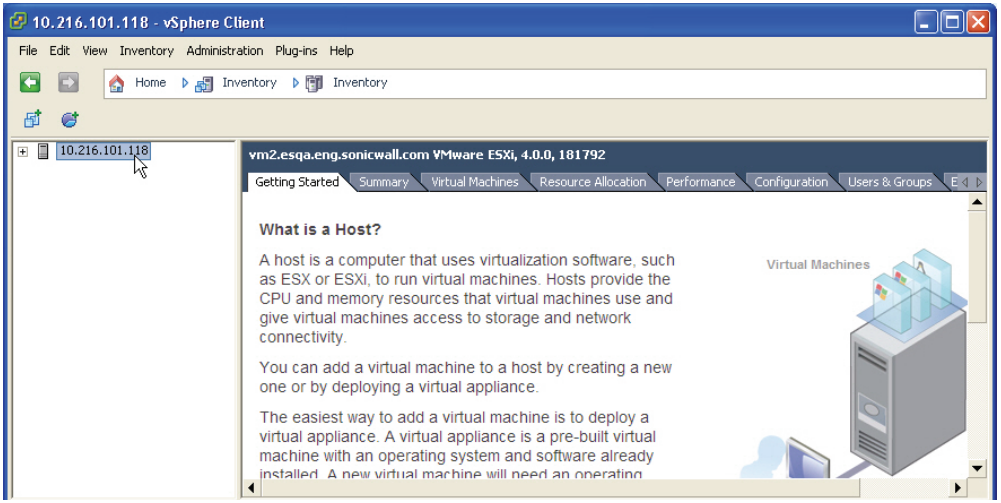
To perform a fresh install of the SonicWALL Email Security Virtual Appliance using the vSphere client, perform the following steps:

1. Download the *es_vm_7.2.x.xxxx.ova* file from MySonicWALL to a system that is accessible to your ESX/ESXi server.

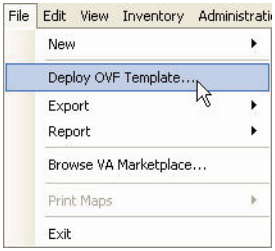
Note: *Do not rename the OVA files.*

2. Launch vSphere and use it to log on to your ESX/ESXi server.

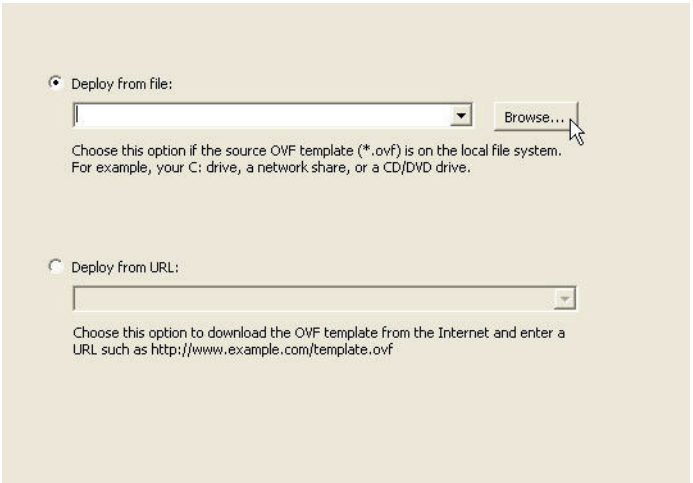
3. From the Home screen, click the **Inventory** icon to display the virtual appliances running on your ESX/ESXi server. Click on the SonicWALL Email Security appliance you wish to deploy.


10.216.101.118 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Inventory
10.216.101.118
vm2.esqa.eng.sonicwall.com VMware ESXi, 4.0.0, 181792
Getting Started Summary Virtual Machines Resource Allocation Performance Configuration Users & Groups
What is a Host?
A host is a computer that uses virtualization software, such as ESX or ESXi, to run virtual machines. Hosts provide the CPU and memory resources that virtual machines use and give virtual machines access to storage and network connectivity.
You can add a virtual machine to a host by creating a new one or by deploying a virtual appliance.
The easiest way to add a virtual machine is to deploy a virtual appliance. A virtual appliance is a pre-built virtual machine with an operating system and software already
Virtual Machines

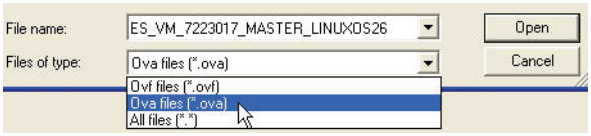
4. To begin the import process, click **File** and select **Deploy OVF Template**.

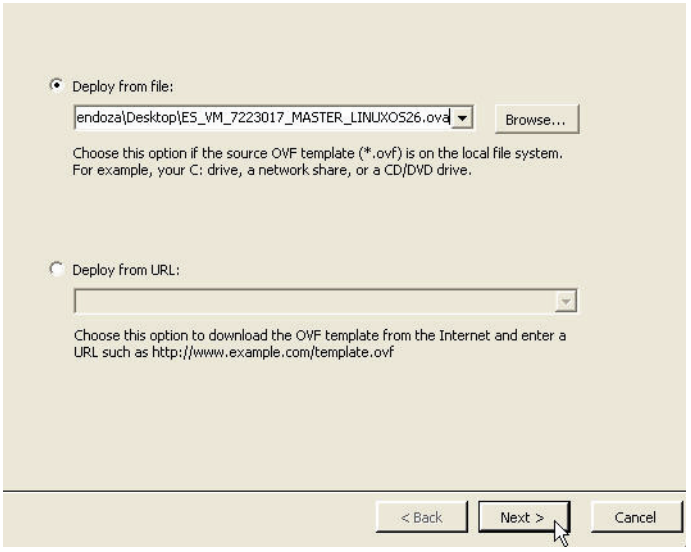


5. In the Source screen of the Deploy OVF Template window, select **Deploy from file**, then click **Browse**.

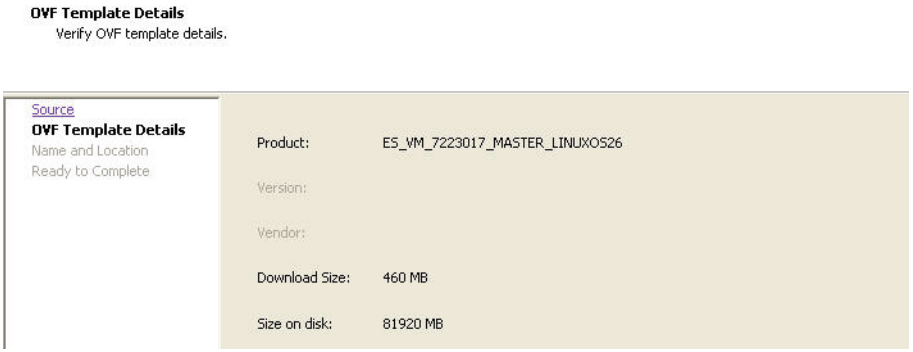

Deploy from file:
Browse...
Choose this option if the source OVF template (*.ovf) is on the local file system.
For example, your C: drive, a network share, or a CD/DVD drive.
Deploy from URL:
Choose this option to download the OVF template from the Internet and enter a URL such as http://www.example.com/template.ovf

6. Set the *Files of type* to **Ova files (*.ova)**. Select the OVA file to import. Then, click **Open**. When the selected OVA file appears in the **Deploy from file** field, click **Next**.

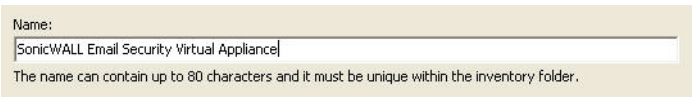



Deploy from file:
endoza\Desktop\ES_VM_7223017_MASTER_LINUXOS26.ova
Browse...
Choose this option if the source OVF template (*.ovf) is on the local file system.
For example, your C: drive, a network share, or a CD/DVD drive.
Deploy from URL:
Choose this option to download the OVF template from the Internet and enter a URL such as http://www.example.com/template.ovf
< Back
Next >
Cancel

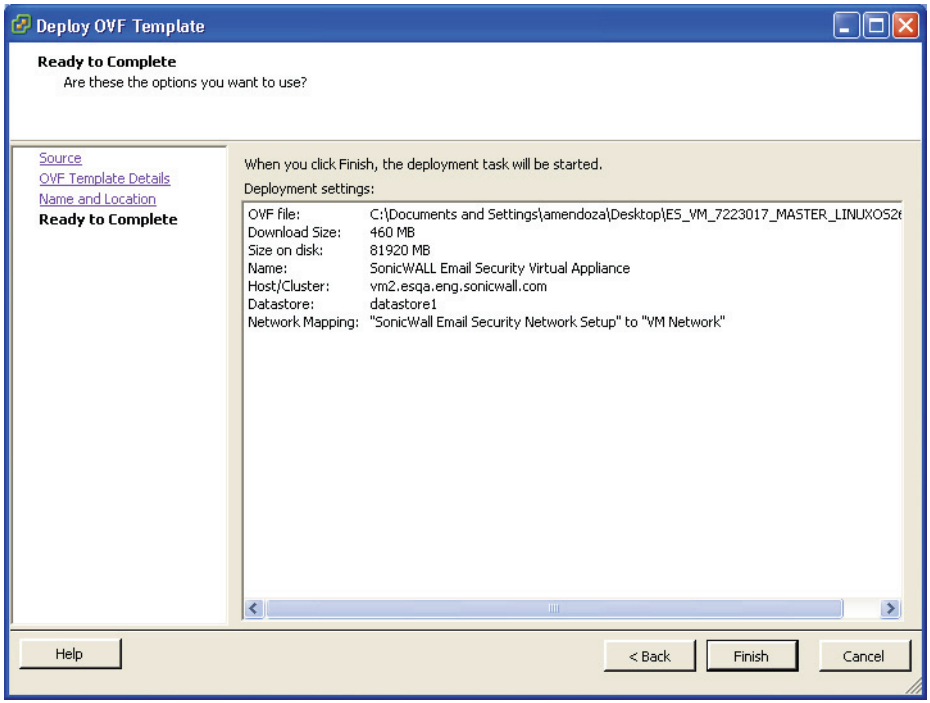
7. In the OVF Template Details screen, verify the information about the selected file. To make a change, click the **Source** link to return to the Source screen and select a different file. To continue, click **Next**.



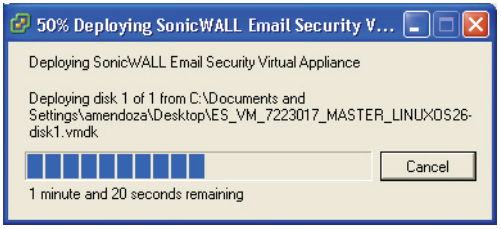
8. Enter a description name for the virtual appliance in the **Name** field. Click **Next**.


Name:
SonicWALL Email Security Virtual Appliance
The name can contain up to 80 characters and it must be unique within the inventory folder.

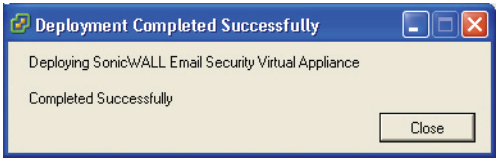
9. In the Ready to Complete screen, review and verify the displayed information. To begin the deployment with these settings, click **Finish**. Otherwise, click **Back** to navigate back through the screens to make a change.



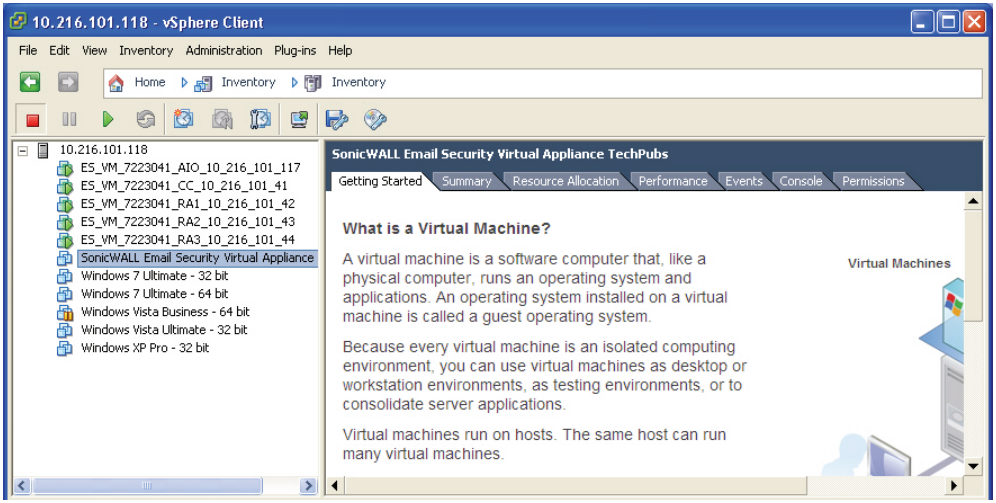
The Deploying box displays the progress.


50% Deploying SonicWALL Email Security V...
Deploying SonicWALL Email Security Virtual Appliance
Deploying disk 1 of 1 from C:\Documents and Settings\amendoza\Desktop\ES_VM_7223017_MASTER_LINUXOS26-disk1.vmdk
Cancel
1 minute and 20 seconds remaining

10. In the Deployment Completed Successfully dialog box, click **Close**.



The name of the new SonicWALL Email Security Virtual Appliance appears in the left pane of the vSphere window.


10.216.101.118 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Inventory
10.216.101.118
ES_VM_7223041_AIO_10_216_101_117
ES_VM_7223041_CC_10_216_101_41
ES_VM_7223041_RA1_10_216_101_42
ES_VM_7223041_RA2_10_216_101_43
ES_VM_7223041_RA3_10_216_101_44
SonicWALL Email Security Virtual Appliance
Windows 7 Ultimate - 32 bit
Windows 7 Ultimate - 64 bit
Windows Vista Business - 64 bit
Windows Vista Ultimate - 32 bit
Windows XP Pro - 32 bit
SonicWALL Email Security Virtual Appliance TechPubs
Getting Started Summary Resource Allocation Performance Events Console Permissions
What is a Virtual Machine?
A virtual machine is a software computer that, like a physical computer, runs an operating system and applications. An operating system installed on a virtual machine is called a guest operating system.
Because every virtual machine is an isolated computing environment, you can use virtual machines as desktop or workstation environments, as testing environments, or to consolidate server applications.
Virtual machines run on hosts. The same host can run many virtual machines.
Virtual Machines

- To power on the virtual appliance and perform required host configuration, see “Performing Basic Tasks and Host Configuration” on page 11.
- To register the SonicWALL Email Security appliance, see “Registration Process” on page 19.

3 Performing Basic Tasks and Host Configuration

This section describes how to power on and configure basic settings on the SonicWALL Email Security Virtual Appliance, including virtual hardware settings and networking settings.

The following tasks are required to configure your SonicWALL Email Security Virtual Appliance before registering it:

1. Power on the virtual appliance.
   See “Powering the Virtual Appliance On or Off” on page 14.
2. Open the virtual appliance console and configure the following host settings:
   - IP address
   - Default route

   See “Configuring Host Settings on the Console” on page 14.
3. Log in to the appliance system interface and configure the following:
   - Host name
   - Network settings
   - Time settings

   See “Configuring Settings on the Appliance Web Interface” on page 16.

The following sections are not part of the task flow, but describe how to view and edit settings on the virtual appliance:

- “Viewing Settings Summary” on page 12
- “Editing Virtual Machine Settings” on page 13

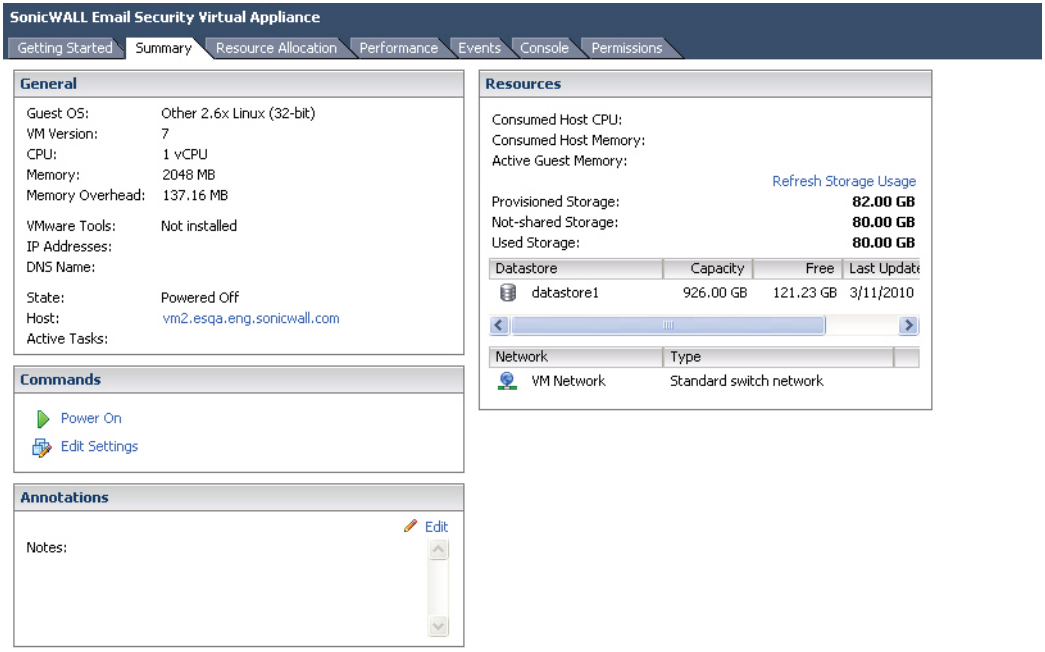
Viewing Settings Summary

When the SonicWALL Email Security Virtual Appliance is selected in the left pane, the **Summary** tab of the vSphere interface displays pertinent information such as memory, powered on/off state, hard disk storage usage, network subnet settings, and other settings.

Note: *This page might incorrectly indicate that VMware Tools are not installed.*

A short list of commands is also provided on this page, including Power On and Edit Settings.

When using vSphere with vCenter Server, the Migrate and Clone commands are also available.

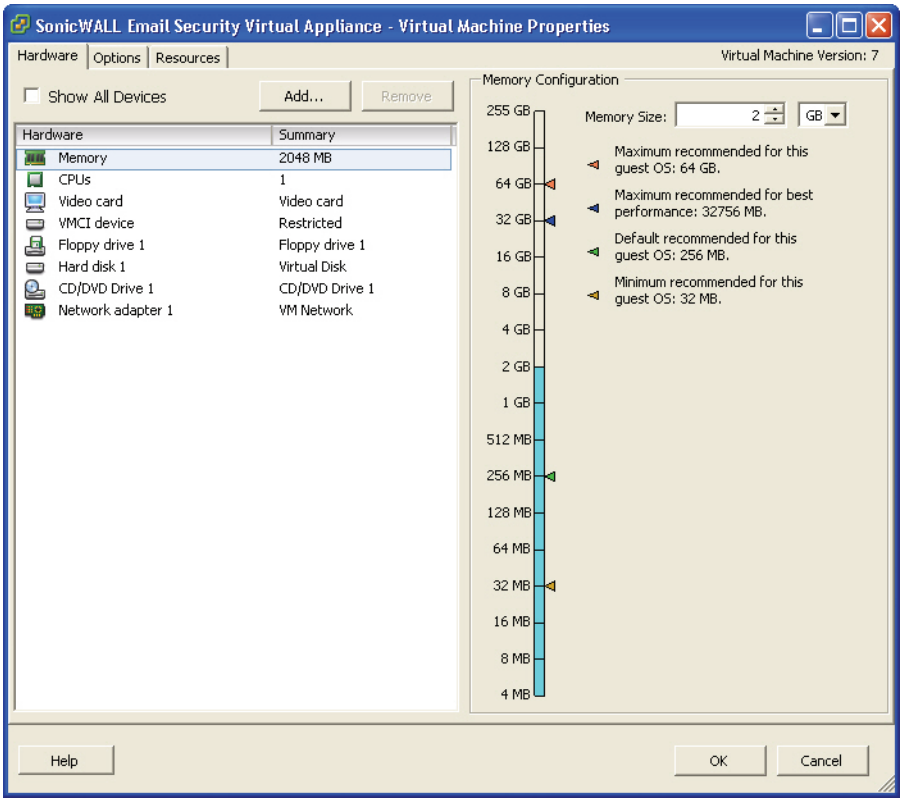


Editing Virtual Machine Settings

You can use the vSphere client to edit settings for the SonicWALL Email Security Virtual Appliance, including memory, CPUs, descriptive name, datastore, and resource allocation.

To edit virtual machine settings:

1. In the vSphere client, right-click the SonicWALL Email Security Virtual Appliance in the left navigation pane and select **Edit Settings** from the right-click menu.
2. In the Virtual Machine Properties window, the **Hardware** tab displays the settings for memory, CPU, hard disk, and other hardware. Click on the row in the table to access the editable settings in the right pane.



3. Click the **Options** tab to view and edit the SonicWALL Email Security Virtual Appliance name, guest operating system, and other settings.
4. Click the **Resources** tab to view and edit the resource allocation settings.
5. When finished, click **OK**.

Powering the Virtual Appliance On or Off

There are multiple ways to power the SonicWALL Email Security Virtual Appliance on or off.

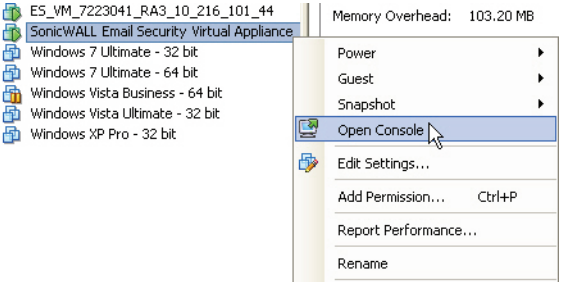
To power the virtual appliance on (or off):

1. Do one of the following:
   - Right-click the SonicWALL Email Security Virtual Appliance in the left pane and navigate to **Power > Power On** (or **Power > Power Off**) in the right-click menu.
   - Select the SonicWALL Email Security Virtual Appliance in the left pane and then click **Power on the virtual machine** (or **Shut down the virtual machine**) on the Getting Started tab in the right pane.
   - Select the SonicWALL Email Security Virtual Appliance in the left pane and then click **Power On** (or **Shut down guest**) on the Summary tab in the right pane.

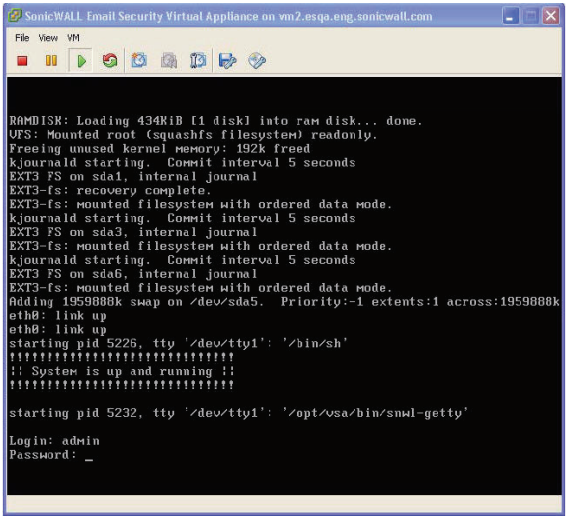
Configuring Host Settings on the Console

After powering on the SonicWALL Email Security Virtual Appliance, perform the following steps to open the console and configure the IP address and default route settings:

1. In vSphere, right-click the SonicWALL Email Security Virtual Appliance in the left pane and select **Open Console** in the right-click menu.



2. When the console window opens, click inside the window, type **admin** at the **Login:** prompt and press **Enter**, and then type **password** at the **Password:** prompt and press **Enter**. The **SNWLCLI>** prompt is displayed.


SonicWALL Email Security Virtual Appliance on vm2.esqa.eng.sonicwall.com
File View VM
RAMDISK: Loading 434KiB [1 disk] into ram disk... done.
VFS: Mounted root (squashfs filesystem) readonly.
Freeing unused kernel memory: 192k freed
kjournald starting. Commit interval 5 seconds
EXT3 FS on sda1, internal journal
EXT3-fs: recovery complete.
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS on sda3, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS on sda6, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
Adding 1959888k swap on /dev/sda5. Priority:-1 extents:1 across:1959888k
eth0: link up
eth0: link up
starting pid 5226, tty '/dev/tty1': '/bin/sh'
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!! System is up and running !!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
starting pid 5232, tty '/dev/tty1': '/opt/vsa/bin/snwl-getty'
Login: admin
Password: _

Note: The mouse pointer disappears when you click in the console window. To release it, press **Ctrl+Alt**.

3. Configure the local IP address for the virtual appliance with the command:
   interface eth0 <IP Address> <Subnet Mask>
4. Configure the DNS with the command:
   dns --nameserver <DNS IP>
5. Configure the default route for the virtual appliance with the command:
   route --add default --destination <gateway IP>
   You can test connectivity by pinging another server or your main gateway, for example:
   ping <gateway IP>
   Press **Ctrl+c** to stop pinging.
6. Type **exit** to exit the CLI. Close the console window by clicking the **X**.

Configuring Settings on the Appliance Web Interface

After configuring the IP address and default route settings on the SonicWALL Email Security Virtual Appliance console, the next steps are to configure host name, network, and time settings in the appliance management interface.

Perform the following steps to complete host configuration for the virtual appliance:

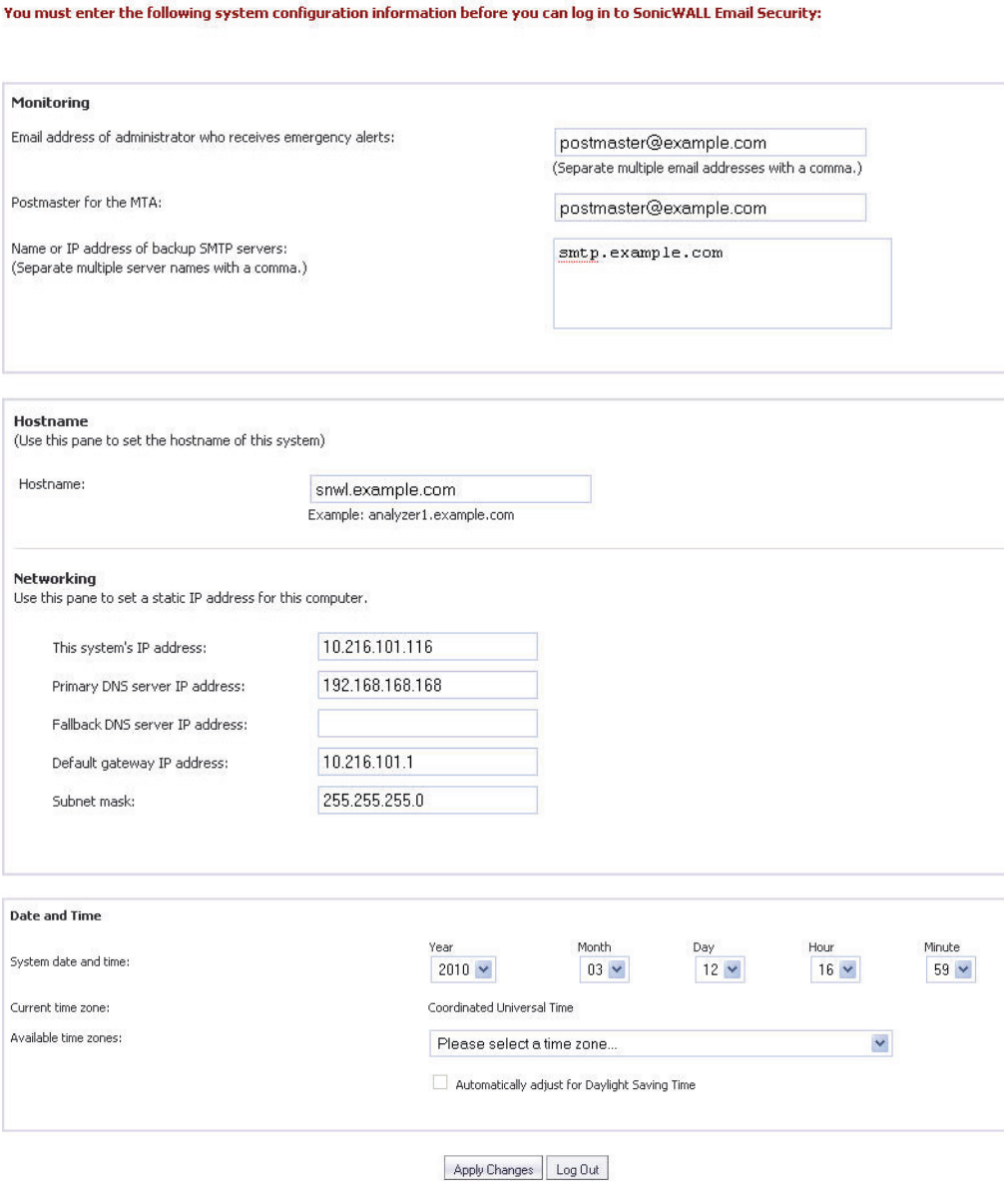
1. Launch a browser and enter the URL of the virtual appliance.
2. On the appliance interface login page, type in the default credentials and then click **Login**.

   The default credentials are:

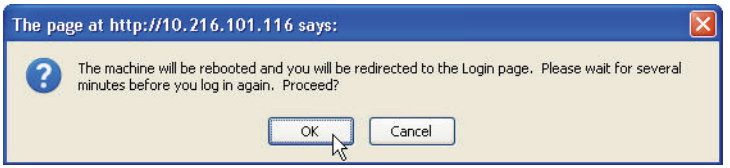
   User – **admin**
   Password – **password**

3. If this is the first time you have logged into a SonicWALL Email Security appliance, you must enter the following system configuration information before you can continue:
   - **Monitoring**—The email address of the mail server administrator who receives emergency alerts, the email of the MTA postmaster who will receive emergency alerts, and the name or IP address of the SMTP servers.
   - **Hostname**—A descriptive hostname for this SonicWALL Email Security appliance.
   - **Networking**— The static IP address for this computer, including the Primary and Fallback DNS server IP addresses.
   - **Date and Time**—The system date and time, current time zone, and an option for automatically adjusting for Daylight Savings Time.

When you have finished configuring these system settings, click **Apply Changes** to continue.



4. A dialog box warns you that the virtual appliance will reboot. Click **OK**.


The page at http://10.216.101.116 says:
The machine will be rebooted and you will be redirected to the Login page. Please wait for several minutes before you log in again. Proceed?
OK
Cancel

Note: *If you modified the DNS settings, the services on the appliance will restart when the changes are applied, causing a momentary connectivity loss to the Web server. Your browser will be redirected to the appliance management interface login page.*

If you modified the Time settings, the virtual appliance will reboot. Use your browser to reconnect to the appliance management interface.

4 Registration Process

The SonicWALL Email Security Virtual Appliance must be registered before use.

This section contains the following subsections:

- "Creating a MySonicWALL Account" on page 19
- "Registering Your SonicWALL Email Security Virtual Appliance" on page 20

Creating a MySonicWALL Account

A MySonicWALL account is required for product registration. If you already have an account, continue to the *Registering Your SonicWALL Email Security Virtual Appliance* section. Perform the following steps to create a MySonicWALL account:

1. In your browser, navigate to http://www.mysonicwall.com.
2. In the login screen, click the **Not a registered user?** link.

3. Complete the Registration form, then click **Register**.
4. Verify that the information is correct and click **Submit**.
5. In the screen confirming that your account was created, click **Continue**.

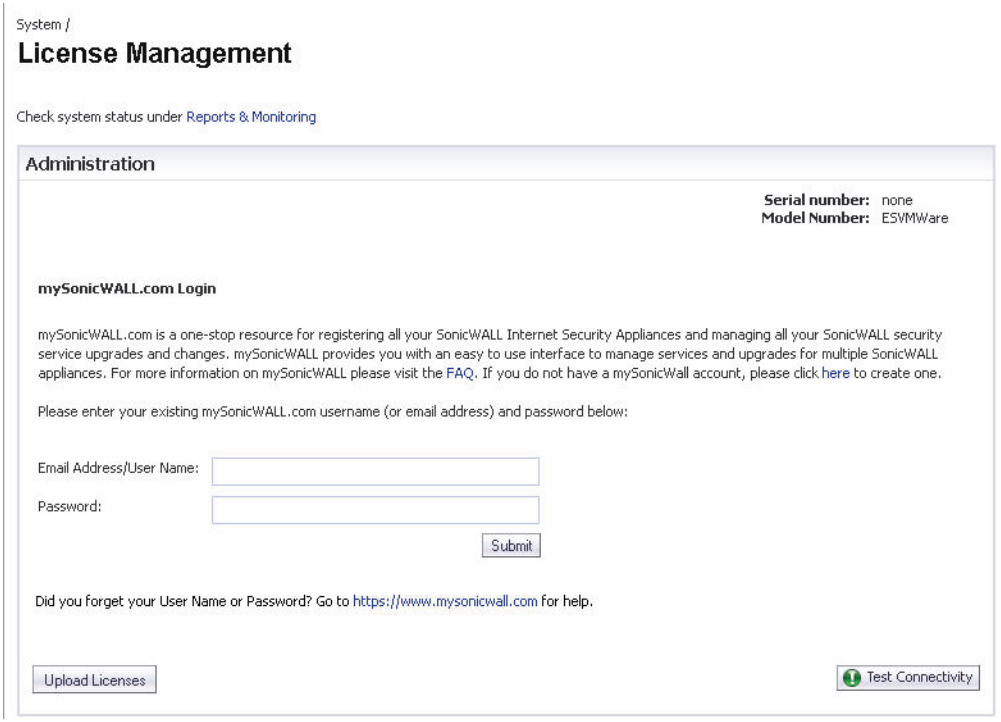
Note: *MySonicWALL registration information is not sold or shared with any other company.*

Registering Your SonicWALL Email Security Virtual Appliance

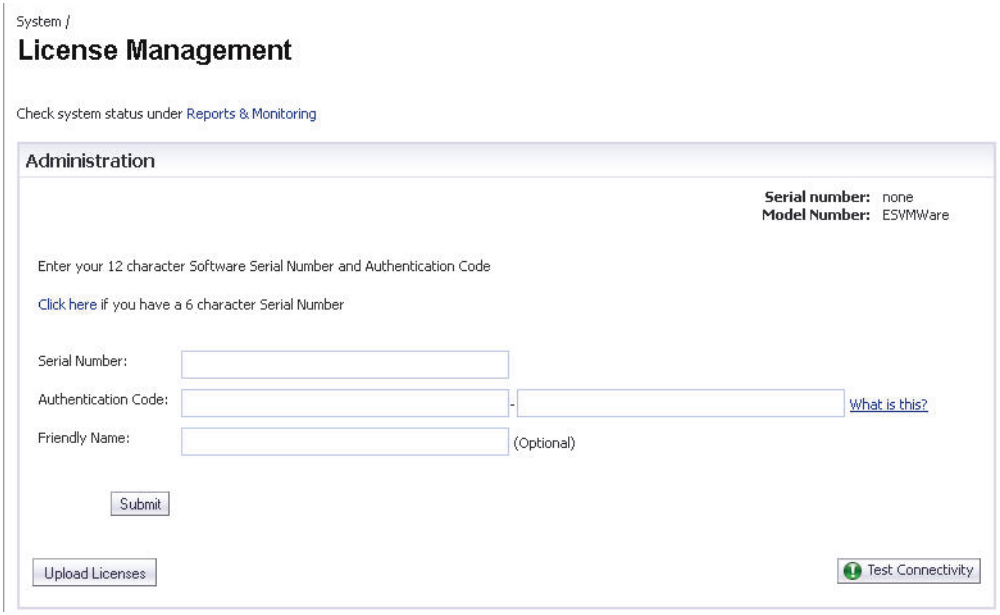
You must register your SonicWALL Email Security Virtual Appliance before first use. Registration is performed using the appliance management interface. When registration is completed, SonicWALL Email Security will be licensed on your virtual appliance.

To register your SonicWALL Email Security Virtual Appliance, perform the following steps:

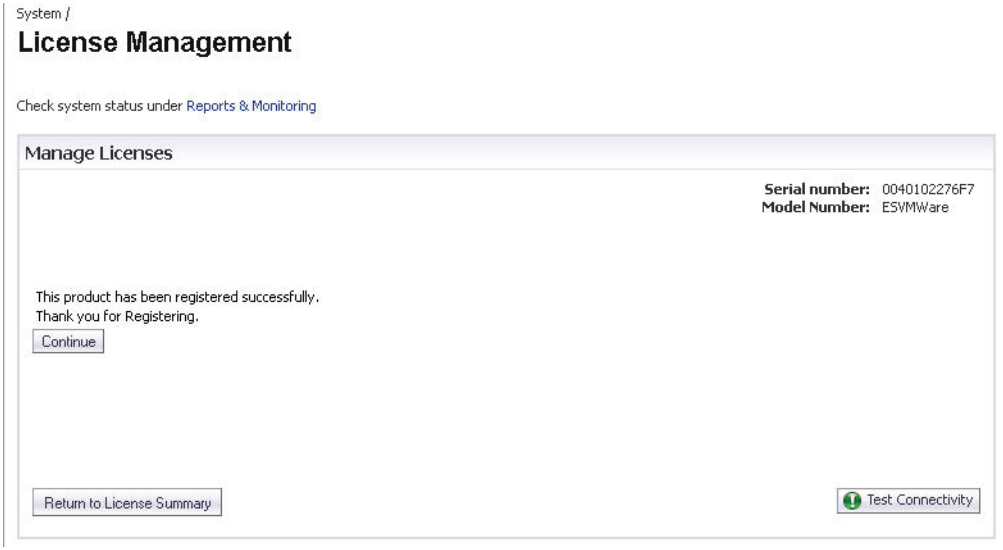
1. Log in to your SonicWALL Email Security Virtual Appliance. The **System > License Management** page displays.
2. Enter your mySonicWALL.com account **Username** and **Password** in the appropriate fields. Click **Submit**.


System /
License Management
Check system status under Reports & Monitoring
Administration
Serial number: none
Model Number: ESVMWare
mySonicWALL.com Login
mySonicWALL.com is a one-stop resource for registering all your SonicWALL Internet Security Appliances and managing all your SonicWALL security service upgrades and changes. mySonicWALL provides you with an easy to use interface to manage services and upgrades for multiple SonicWALL appliances. For more information on mySonicWALL please visit the FAQ. If you do not have a mySonicWall account, please click here to create one.
Please enter your existing mySonicWALL.com username (or email address) and password below:
Email Address/User Name:
Password:
Submit
Did you forget your User Name or Password? Go to https://www.mysonicwall.com for help.
Upload Licenses
Test Connectivity

3. The Administration section displays. Enter the **Serial Number**, **Authentication Code**, and **Friendly Name** for your SonicWALL appliance. Click **Submit** to finish the registration process.



4. You have successfully registered your SonicWALL Email Security Virtual Appliance. Click **Continue** to view the Manage Licenses screen or continue configuring other settings within the appliance.



5 Updating the SonicWALL Email Security Virtual Appliance

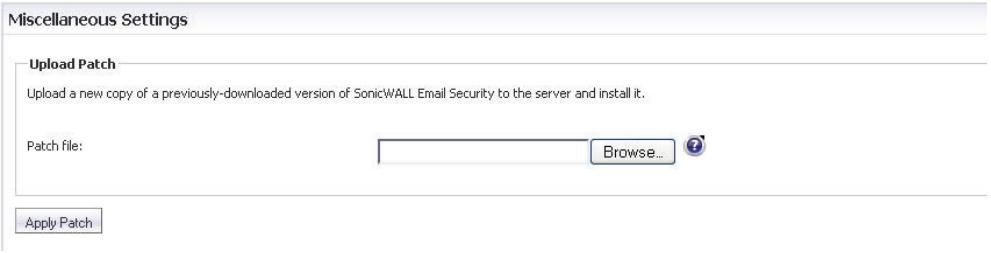
The **System > Advanced** page of the appliance interface is used to update the SonicWALL Email Security Virtual Appliance to a newer build or version.

To update the SonicWALL Email Security Virtual Appliance, perform the following steps:

1. Download the updater file from MySonicWALL. The file name is in the format: es-vmware-updater-x.x.x.xxxx-3440i-der-signed.sh

Note: *Do not rename the updater file.*

2. Log on to the appliance interface of the SonicWALL Email Security Virtual Appliance and navigate to the **System > Advanced** page.
3. Scroll down to the Miscellaneous Settings section. Click **Browse** and select the **es-vmware-updater-x.x.x.xxxx-3440i-der-signed.sh** file on your local system.


Miscellaneous Settings
Upload Patch
Upload a new copy of a previously-downloaded version of SonicWALL Email Security to the server and install it.
Patch file:
Browse...
Apply Patch

4. Click **Apply** to update your virtual appliance with the new software.

Backup and Restore

Note that all configuration data resides on the Central Console (CC). Because there is really no stored or persistent data on the Remote Agent (RA), taking a snapshot of an RA and restoring it at a later time will not cause issues with other RAs. Any time a new RA is brought online and associated with a CC, the settings are replicated out to the RA.

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Customer Support

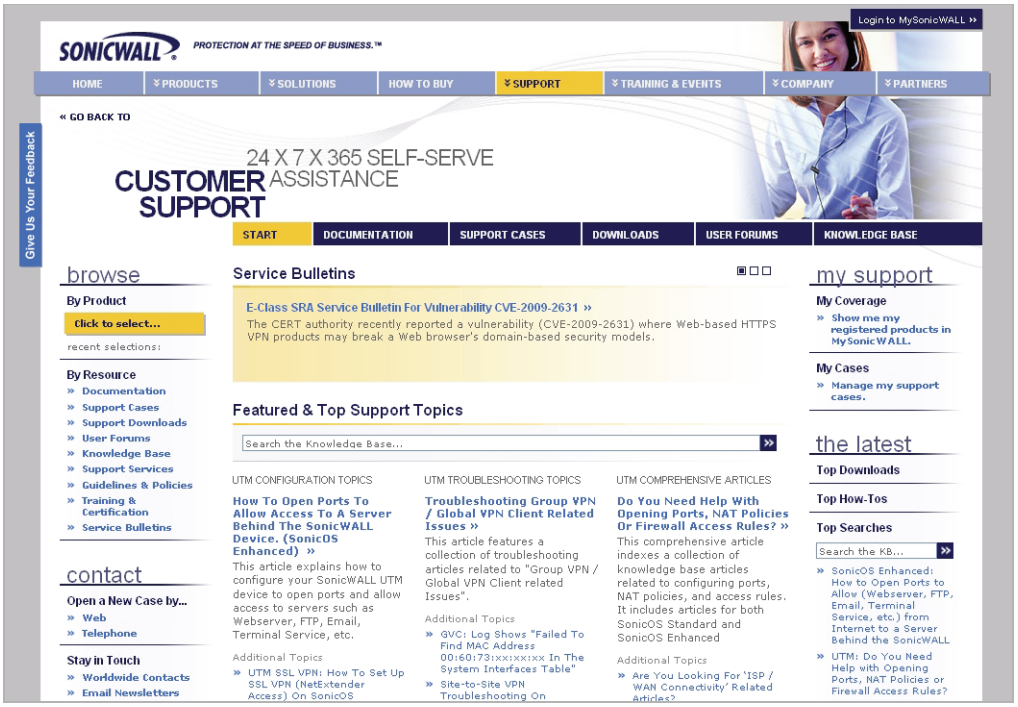
For answers to all your support questions, visit the SonicWALL Support Web site at: <http://www.sonicwall.com/us/Support.html> where you'll find featured support topics, tutorials, and more. If you need further assistance, SonicWALL offers telephone, email, and Web-based support to customers with valid Warranty Support or a purchased support contract. Please review our Warranty Support Policy for product coverage.

Related Documentation

The SonicWALL Email Security 7.2 documentation set includes the following user guides:

- *SonicWALL Email Security 7.2 Appliance Administrator's Guide*
- *SonicWALL Email Security 7.2 Software Administrator's Guide*
- *SonicWALL Email Security 7.2 User's Guide*
- *SonicWALL Email Security 7.2 Software Getting Started Guide*
- *SonicWALL Email Security 7.2 Release Notes*
- *SonicWALL Anti-Spam Desktop 6.2 User's Guide*
- *SonicWALL Anti-Spam Desktop Quick Start Guide*

For basic and advanced deployment examples, refer to SonicWALL Email Security user guides and deployment technotes.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SONICWALL
PROTECTION AT THE SPEED OF BUSINESS.™
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SOLUTIONS
HOW TO BUY
SUPPORT
TRAINING & EVENTS
COMPANY
PARTNERS
« GO BACK TO
Give Us Your Feedback
24 X 7 X 365 SELF-SERVE
CUSTOMER ASSISTANCE
SUPPORT
START
DOCUMENTATION
SUPPORT CASES
DOWNLOADS
USER FORUMS
KNOWLEDGE BASE
browse
By Product
Click to select...
recent selections:
By Resource
» Documentation
» Support Cases
» Support Downloads
» User Forums
» Knowledge Base
» Support Services
» Guidelines & Policies
» Training & Certification
» Service Bulletins
contact
Open a New Case by...
» Web
» Telephone
Stay in Touch
» Worldwide Contacts
» Email Newsletters
Service Bulletins
E-Class SRA Service Bulletin For Vulnerability CVE-2009-2631 »
The CERT authority recently reported a vulnerability (CVE-2009-2631) where Web-based HTTPS VPN products may break a Web browser's domain-based security models.
Featured & Top Support Topics
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UTM CONFIGURATION TOPICS
How To Open Ports To Allow Access To A Server Behind The SonicWALL Device. (SonicOS Enhanced) »
This article explains how to configure your SonicWALL UTM device to open ports and allow access to servers such as Webserver, FTP, Email, Terminal Service, etc.
Additional Topics
» UTM SSL VPN: How To Set Up SSL VPN (NetExtender Access) On SonicOS
UTM TROUBLESHOOTING TOPICS
Troubleshooting Group VPN / Global VPN Client Related Issues »
This article features a collection of troubleshooting articles related to "Group VPN / Global VPN Client related Issues".
Additional Topics
» GVC: Log Shows "Failed To Find MAC Address 00:60:73:xx:xx:xx In The System Interfaces Table"
» Site-to-Site VPN Troubleshooting On
UTM COMPREHENSIVE ARTICLES
Do You Need Help With Opening Ports, NAT Policies Or Firewall Access Rules? »
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my support
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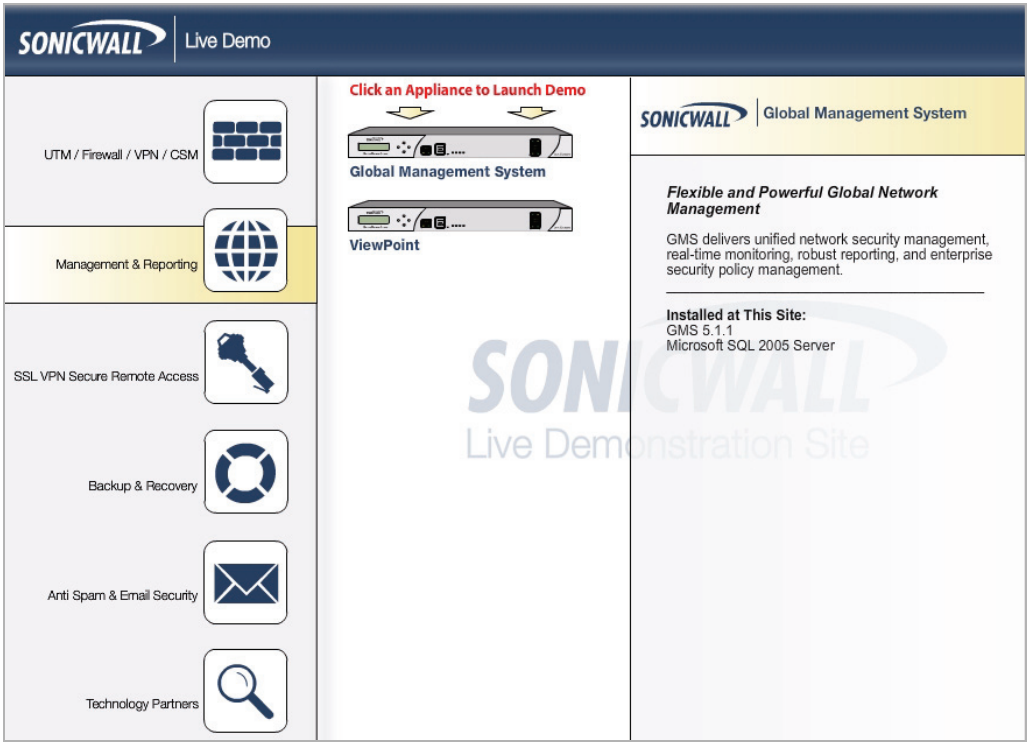
» Show me my registered products in MySonicWALL.
My Cases
» Manage my support cases.
the latest
Top Downloads
Top How-Tos
Top Searches
Search the KB...
» SonicOS Enhanced: How to Open Ports to Allow (Webserver, FTP, Email, Terminal Service, etc.) from Internet to a Server Behind the SonicWALL
» UTM: Do You Need Help with Opening Ports, NAT Policies or Firewall Access Rules?

SonicWALL Live Product Demos

Get the most out of your SonicWALL Email Security with the complete line of SonicWALL products. The SonicWALL Live Demo Site provides free test drives of SonicWALL security products and services through interactive live product installations:

- Unified Threat Management Platform
- Secure Cellular Wireless
- Continuous Data Protection
- SSL VPN Secure Remote Access
- Content Filtering
- Secure Wireless Solutions
- Email Security
- GMS and ViewPoint

For further information, visit:
<http://livedemo.sonicwall.com/>



Notes

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